

IGBT MODULES

20 years of experience
in the development and
production of IGBT modules

WITH ULTRA HIGH ISOLATION VOLTAGE

- ◆ *Current range up 100 to 3600 A*
- ◆ *Voltage 1200, 1700 V*
- ◆ *Isolation voltage 10,2 and 15 kV*
- ◆ *Adapted to Russian climatic conditions*





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Type	V_{CES}	I_C	I_{CM}	V_{CESat}	E_{on}	E_{off}	$R_{th(j-c)}$	T_{jmax}	V_{isol}	Case, Circuit		
	V	A	$t_p=1ms$ A	typ V	typ mWs	typ mWs	$^{\circ}C/W$	$^{\circ}C$	kV			
Copper baseplate	1200	M2TKI-50-12B MDTKI-50-12B MTKID-50-12B	50	100	2.5	8	4.5	0.35	15	 MI9 (62x106) mm		
		M2TKI-75-12B MDTKI-75-12B MTKID-75-12B	75	150	2.5	12.5	8.5	0.24				
		M2TKI-100-12B MDTKI-100-12B MTKID-100-12B	100	200	2.5	17.5	11	0.2				
		M2TKI-150-12B MDTKI-150-12B MTKID-150-12B	150	300	2.5	23.5	18	0.125				
		M2TKI-200-12B MDTKI-200-12B MTKID-200-12B	200	400	2.5	34	23	0.11				
		M2TKI-50-17B MDTKI-50-17B MTKID-50-17B	50	100	2.7	26	14	0.3				
	1700	M2TKI-75-17B MDTKI-75-17B MTKID-75-17B	75	150	2.7	37	22	0.24				
		M2TKI-100-17B MDTKI-100-17B MTKID-100-17B	100	200	2.7	50	30	0.16				
		M2TKI-150-17B MDTKI-150-17B MTKID-150-17B	150	300	2.7	70	46	0.125				
		M2TKI-150-17KB MDTKI-150-17KB MTKID-150-17KB			2.0	67	47	0.14				
		M2TKI-200-17B MDTKI-200-17B MTKID-200-17B	200	400	2.7	90	65	0.09				
		M2TKI-300-17KB MDTKI-300-17KB MTKID-300-17KB	300	600	2.0	115	95	0.106				
		AlSiC baseplate	10.2	MTKI-200-17TB	200	400	2.7	90		65	0.08	 MI13 (73x140) mm
				MTKI-400-17TB	400	800	2.7	170		135	0.05	
				MTKI-400-17KTB	400	800	2.0	150		125	0.068	
				MTKI-600-17KTB	600	1200	2.0	200		190	0.05	
				MTKI-800-17TB	800	1600	2.7	280		325	0.021	
				MTKI-1200-17TB	1200	2400	2.7	330		480	0.016	
MTKI-1600-17TB	1600			3200	2.7	430	670	0.012				
MTKI-1600-17KTB	1600			3200	2.0	445	600	0.015				
MTKI-2400-17KTB	2400			4800	2.0	610	920	0.011				
MTKI-1800-17TB	1800			3600	2.7	570	725	0.011				
MTKI-2400-17TB	2400			4800	2.7	750	1060	0.008				
MTKI-3600-17KTB	3600			7200	2.0	745	1450	0.0087				



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